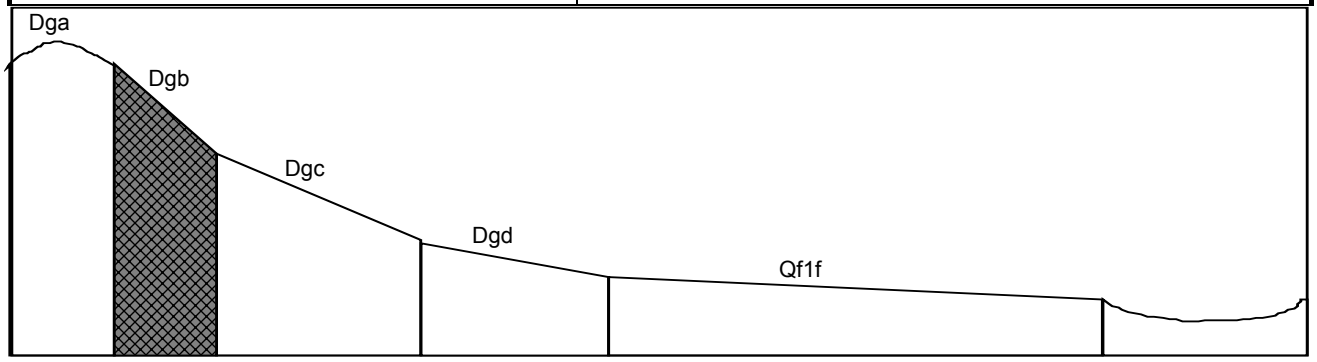
MAP UNIT SYMBOL : Dgb **Area : 197 ha**	MAP UNIT : Devonian granite, steep slope.



A. GENERAL DESCRIPTION :

Steep granitic slopes generally with oucropping granite boulders and shallow uniform sandy loam soils. These soils are very susceptible to sheet erosion and highly susceptible to wind erosion and mass movement.

SITE CHARACTERISTICS :

Parent Material Age:	Devonian	**Depth to Seas. Watertable:**	>10.0m
Parent Material Lithology:	Granite/ granodiorite	**Flooding Risk:**	Nil
Landform Pattern:	Steep/rolling hills	**Drainage:**	Rapidly drained
Landform Element:	Hillslope	**Rock Outcrop:**	5-15%
Slope a) common:	50%	**Depth to Hard Rock:**	0.2-1.0m
Slope b) range:	32-56%	**Present Land Use:**	Pine plantation
Potential Recharge to Groundwater:	Very high		
Major Vegetation Species:	Blue Gum, Mountain Ash, Grey Box, Blackwood, Black Wattle, Bracken		

LAND DEGRADATION :

Land Degradation	Water Erosion		Wind Erosion	Mass Movement	Salting	Acidification
	sheet / rill	gully				
Susceptibility	Very high	Moderate	High	High	Very low	Low
Incidence	Low - Mod	Low	Low -Mod	Low - Mod	Very low	Not available

B. SOIL PROFILE

PROFILE DESCRIPTION

A1 0-100mm Very dark greyish brown (10YR3/2) sandy loam, moderate subangular blocky structure, peds 5-10mm, rough fabric, very weak consistence, many fine granitic gravel fragments, high organic matter, pH 4.5. Clear transition to:

A21 100-270mm Dark brown (10YR4/3) sandy loam, bleached (10YR7/3) when dry, weak subangular blocky structure, peds 10-20mm, rough fabric, moderately firm consistence, many fine granitic gravel fragments, pH 4.7. Gradual transition to:

A22 270-580mm Dark brown (10YR4/3) sandy loam, bleached when dry (10YR7/3) , apedal, sandy fabric, very strong consistence, many fine granitic gravel fragments, pH 4.5. Clear transition to:

C 580mm Partially weathered granitic rock

CLASSIFICATION

Factual Key (Northcote):	Uc 2.21
Australian Soil Classification:	Ochric, Paralithic, Bleached-Leptic Tenosol; thick, gravelly, sandy/loamy, moderate
Unified Soil Group:	SC

INTERPRETATION OF LABORATORY ANALYSIS

Horizon	pH ($CaCl_2$)	%Gravel	E.C. (salts)	Nutrient Status	P	K	Al	Organic matter	Dispersibility
A1	4.5**	13.6	VL	L	D	S	S	VH	L
A21	4.7	13.9	VL	VL	D	S	T	L	L
A22	4.5**	9.9	VL	L	D	S	T	M	L

VL : Very low L : Low M : Moderate H : High VH : Very High D : Deficient S : Satisfactory

T : Toxic * see appendix D for analytical results ** : Strongly acidic N.A. : Not Available

SOIL PROFILE CHARACTERISTICS:

Permeability:	Rapid (average 1,483mm/day, range 611-2,444 mm/day)
Available Water Capacity:	Low (83 mmH_2O)
Linear Shrinkage (B horizon):	Very low (2%)

C. LAND CAPABILITY ASSESSMENT

Land Use	Class	Major Limiting Feature(s)/Land Use
Agriculture	$C_3T_5S_5$	Steep slope, very susceptible to sheet erosion
Effluent Disposal (septic tanks)	5	Steep slope
Farm Dams	5	Steep slope, very low suitability of subsoil, very shallow depth to hard rock, high permeability
Secondary Roads	5	Steep slope
Rural Residential	5	Effluent disposal, farm dams, secondary roads, building foundations
Small Farms	5	Agriculture, effluent disposal, farm dams, secondary roads, building foundations